

MATERIAL SAFETY DATA SHEET
PYROFILL

United States Gypsum Company
101 S. Wacker Drive
Chicago, Illinois 60606-4585

Emergency phone: (312) 606-4542
Date issued: June 27, 1990

SECTION I

PRODUCT GROUP: Roof Deck Plasters

PYROFILL* Gypsum Concrete
Pitched Deck THERMOFILL* Gypsum Concrete
THERMOFILL* Gypsum Concrete
Pitched Deck PYROFILL* Gypsum Concrete

* - Trademark of United States Gypsum Company or an affiliated company.

SECTION II
INGREDIENTS

MATERIALS	%	TLV mg/M3	PEL mg/M3	CAS #
Plaster of Paris	84-95	10 (T)	15 (T) / 5 (R)	7778-18-9
Perlite	0-16	10 (T)	15 (T) / 5 (R)	93763-70-3
Wood Fiber	0-5	5 (T)	5 (T)	9004-34-6
Hydrolyzed Protein	0-0.5	(NE)	(NE)	65997-21-9

(T) - Total

(R) - Respirable

(NE) - Not Established

SECTION III
PHYSICAL DATA

MELTING POINT: 1450 °C - decomposes
SPECIFIC GRAVITY: 2.7 - 3.0
SOLUBILITY IN WATER: 0.2g / 100g
APPEARANCE AND ODOR: White powder, low odor
HARDENING TIME: Varies. Check usage and/or product specification data for each product.

SECTION IV
FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): None
EXTINGUISHING MEDIA: Not combustible
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

MATERIAL SAFETY DATA SHEET
PYROFILL

SECTION V
HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

ACUTE:

EYES: Particles may cause irritation.

SKIN: When mixed with water, this material hardens and then slowly becomes hot. DO NOT attempt to make a cast enclosing any part of the body. Failure to follow these instructions may cause severe burns that may require surgical removal of affected tissue. May dry skin.

INHALATION: This material is not toxic. No toxic effects from powdered calcium sulfate hemihydrate are noticed where air contains contaminate to excess. Persons subjected to large amounts of this dust will be forced to leave area because of nuisance conditions: coughing, sneezing and nasal irritation from dust.

INGESTION: See ingestion under Emergency and First Aid Procedures following.

CHRONIC: None Known.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush eyes with water for 15 minutes. Call PHYSICIAN if irritation continues.

SKIN: Wash contaminated area with water.

INHALATION: Remove to fresh air.

INGESTION: Plaster hardens when wetted, and if ingested may result in obstruction. See Physician.

TARGET ORGANS: Lungs.

MEDICAL CONDITIONS WHICH MAY BE AGGREVATED: Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis emphysema and asthma.

PRIMARY ROUTE OF ENTRY: Inhalation.

CARCINOGENICITY OF INGREDIENTS:

Material	IARC	NTP	OSHA
All	Not Listed	Not Listed	Not Listed

SECTION VI
REACTIVITY DATA

STABILITY: Stable

INCOMPATABILITY: None Known

HAZARDOUS DECOMPOSITION PRODUCTS: CaO and SO₂

HAZARDOUS POLYMERIZATION: Will not occur

MATERIAL SAFETY DATA SHEET
PYROFILL

SECTION VII
SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep or vacuum material from spillage into a waste container for disposal. Avoid dusting conditions.

WASTE DISPOSAL METHOD: This material can be disposed of as inert solid in a landfill or by other procedures which are accepted under federal, state and local regulations.

SECTION VIII
SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Provide general ventilation and local exhaust ventilation to meet TLV requirements. When dusty condition exists, wear an approved dust mask to guard against nuisance particles.

PROTECTIVE EQUIPMENT: Gloves or protective clothing are usually not necessary but may be desirable in specific work situations. Eye protection (goggles) may be needed to avoid particulate irritation of the eye.

SECTION IX
SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Be sure proper ventilation and respiratory and eye protection are used in dusty conditions.